

FOLDING ROLLER AND FOLDING METHOD FOR PAPER CONVERTING MACHINES

Abstract

An interfolding machine, having first and second folding counter rotating rollers, a substantially cylindrical body and a plurality of folding means for engaging at a contact line (15) for making a stack of folded and/or interfolded sheets in a folding area. Each folding roller (1) is held by at least one support (10) arranged substantially opposite to the contact line in order to not impede folding operations in the folding area. Between the support and the folding roller, a bearing (20) is mounted that allows free rotation. The support holds the folding roller at an angular portion circumferentially unoccupied by folding elements or mechanical clamps and inclined at an angle with respect to a plane containing the axes of the two rollers. The support does not interfere with the adjusting operation of the folding roller and allows processing of the sheet or web of paper without interrupting continuity.